

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

ROSE PLANT NAMED

'Poulen012'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

*Rosa hybrid*

VARIETY DENOMINATION

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'Poulen012'

The present invention constitutes a new and distinct variety of garden rose plant which originated from a controlled crossing between a female parent 'Poulsyng',  
10 described and illustrated in U.S. Plant Patent Application No. 09/268,299 dated March 16, 1999, and the male parent, an unnamed seedling. The two parents were crossed during the summer of 1995 and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The new  
15 variety is named 'Poulen012'.

The new variety may be distinguished from its female seed parent, 'Poulsyng' by the following combination of characteristics:

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1. While the seed parent 'Poulsyng' has flower petals which are Red Group 36D, 'Poulen012' has flower petals which are White Group 155B with a strong overlay of Reg Group 36D to Reg Group 49D.

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2. While the seed parent 'Poulsyng' has 34 to 40 petals 'Poulen012' has 45 to 50 petals.

3. While 'Poulsyng' has basal petal spots which are Yellow Group 3B in color, 'Poulen012' has petal spots which are Yellow Group 6C in color.

5 The new variety may be distinguished from its pollen parent, an unnamed seedling, by the following combination of characteristics:

1. No petal spots observed on the pollen parent. 'Poulen012' has Yellow Group 6C petal spots.
2. Flowers of the pollen parent produce less fragrance than flowers of 'Poulen012'.

10 The objective of the hybridization of this rose variety was to create a new and distinct variety for garden use with unique qualities, such as:

1. Uniform and abundant pink flowers;
2. Vigorous, but compact growth when propagated both as a budded rose and on its own roots;
3. Disease resistance;
4. Exceptional flower fragrance.

15 This combination of qualities is not present in previously available commercial cultivars of this type, known to the inventors, and distinguish 'Poulen012' from all other varieties of which we are aware.

As part of their rose development program, L.  
Pernille Olesen and Mogens N. Olesen germinated the seeds  
from the aforementioned hybridization during winter of  
1995 and conducted evaluations on the resulting seedlings  
5 in a controlled environment in Fredensborg, Denmark.

'Poulen012' was selected in the spring 1996 by the  
inventors as a single plant from the progeny of the  
aforementioned hybridization.

Asexual reproduction of 'Poulen012' by traditional  
10 budding and rooted cuttings was first done by L. Pernille  
and Mogens N. Olesen in their nursery in Fredensborg,  
Denmark in July, 1996. This initial and other subsequent  
asexual propagations conducted in controlled environments  
have demonstrated that the characteristics of 'Poulen012'  
15 are true to type and are transmitted from one generation  
to the next.

BRIEF DESCRIPTION OF THE DRAWING

20 The accompanying color illustration shows as true as  
is reasonably possible to obtain in color photographs of  
this type, the typical characteristics of the buds,  
flowers, leaves, and stems, of 'Poulen012'. Specifically  
illustrated in SHEET 1:

25 Fig 1.1; Open flower above view, open flower

side view with attachment of  
receptacle, sepals, and peduncle;

Fig 1.2; Flower bud closed, flower bud as  
sepals unfold;

5 Fig 1.3; Flower petals, detached;

Specifically illustrated in SHEET 2:

Fig 2.1; Sepals, receptacle, and peduncle;

Fig 2.2; Juvenile leaf exhibiting anthocyanin;

10 Fig 2.3; Semi-juvenile leaf;

Fig 2.4; Cluster of flower buds showing  
attachment to stem;

Fig 2.5; Bare mature stem exhibiting thorns,  
as well as a bare juvenile stem  
exhibiting anthocyanin;

15 Fig 2.6; Fully mature leaf.

#### DETAILED DESCRIPTION OF THE VARIETY

20 The following is a description of 'Poulen012', as  
observed in its growth in a field nursery in Jackson  
County, Oregon. Observed plants are 3 years of age.  
Plants were grown on *Rosa multiflora* understock. Color  
references are made using the Royal Horticultural Society  
25 (London, England) Colour Chart, 1995, except where common

terms of color are used.

For a comparison, several physical characteristics of the rose variety 'Poulen009', a rose variety from the same inventors described and illustrated in U.S. Plant Patent Application No. 10/742,402 dated 22 December, 2003 are compared to 'Poulen012' in Chart 1.

CHART 1

	'Poulen012'	'Poulen009'
10	General tonality of open flower	Red Group 49B to 49C On open flower Red Group 54D with intonations of Red Group 52C.
15	Petalage	45 to 50 petals 45 petals
	Peduncle length	45 to 50 mm 40 to 45 mm
	Filament color	Greyed-Orange Group 163B Yellow-Orange Group 18A

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FLOWER AND FLOWER BUD

Blooming habit: Recurrent.

Flower bud:

Size: Upon opening, 28 mm in length  
from base of receptacle to end  
of bud. Bud diameter is 17 mm.

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Bud form: Pointed ovoid.

Bud color: As sepals unfold, petals are  
Orange Group 26A to 26B with  
intonations of Red-Purple Group  
59A and Red Group 53B. At  $\frac{1}{4}$   
5 opening petals are Orange Group  
29C to Red Group 52D with  
intonations of Red Group 53C.

Sepals:

Upper Surface:

10 Color: Yellow-Green Group 144B.  
Anthocyanic pigments the  
color of Greyed-Red Group  
178A.

Surface: Strongly pubescent.

15 Lower Surface:

Color: Yellow-Green Group 144A.  
Anthocyanic pigments the  
color of Greyed-Red Group  
178A observed.

20 Texture: Smooth with scant  
stipitate glands.

Sepal Shape: Sepal apex is cirrhose.  
Base is flat at union with  
receptacle.

25

Sepal Margin:

Margins have weak  
foliaceous appendages on  
three of the five sepals.

5 Size: 21 mm (l) x 9 mm (w).

Shape: Linear with acute apex.

Receptacle:

Surface: Smooth.

Shape: Urn-shaped.

10 Size: 8 mm (h) x 10 mm (w).

Color: Yellow-Green Group 144A.

Anthocyanic pigments the  
color of Greyed-Red Group  
181A observed.

15 Peduncle:

Surface: Smooth.

Length: 45 to 50 mm.

Color: Yellow-Green Group 144B.

Anthocyanic pigments the  
color of Greyed-Orange  
Group 175B observed.

Strength: Strong.

Borne: In clusters of 3 flower  
buds per stem.

25

**Flower bloom:**

Fragrance: Strong perfumed scent.

Duration: The blooms have a duration  
on the plant of  
approximately 10 to 14  
days. After flowers have  
fully matured, petals fall  
cleanly away from plant.

5

10

Size: Flower diameter is 70 to  
100 mm when open. Flower  
depth is 45 mm on average.

Form: General flower shape is a  
deep cup with tight high  
centers.

15

Shape of flower when viewed from the side:

Upon opening, upper part:Flat.

Upon opening, lower part:Flat.

Open flower, upper part: Flat.

20

Open flower, lower part: Concave.

Petalage: On average 45 to 50 petals under  
normal conditions with 7 petaloids.

Color:

25 Upon opening, petals:

Outermost petals:

Outer side: Orange Group 27D with intonations of Red Group 39C and Red-Purple Group 68D at petal margins.

5

Inner Side: White Group 155B at basal zone with an overlay of Red Group 49A to 49B from middle zone to marginal zone.

10

Innermost petals:

Outer side: Yellow-Orange Group 19C with intonations of Red Group 49A to 49B at margins.

15

Inner Side: Yellow-Orange Group 19C with intonations of Red Group 49A to 49B at margins.

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Upon opening, basal petal spots:

Outermost petals:

Outer side: Yellow Group 4A.

Inner Side: Yellow Group 6C.

Innermost petals:

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Outer side: Yellow Group 4A.

Inner Side: Yellow Group 6C.

After opening, petals:

Outermost petals:

Outer side: White Group 155B with an  
5 overlay of Red Group 36D  
to Red Group 49D.

Inner Side: White Group 155B with an  
overlay of Red Group 49C  
at middle to marginal  
10 zones.

Innermost petals:

Outer side: White Group 155B with an  
overlay of Red Group 36D  
to Red Group 49D.

15 Inner Side: Yellow-White Group 158D  
with intonations of Red  
Group 49C at marginal  
zone.

After opening, basal petal spots:

20 Outermost petals:

Outer Side: Yellow Group 4B.

Inner Side: Yellow Group 6C.

Innermost petals:

Outer Side: Yellow Group 4B.

25 Inner Side: Yellow Group 6C.

**General Tonality:** On open flower Red Group 49B to 49C. No change in the general tonality at the end of the 10<sup>th</sup> day.

5           **Petals:**

Petal Reflex: Somewhat reflexed.

Margin: Entire and uniform. Weak to medium undulations of margin observed.

10           Shape: Apex: Round.

Base: Acute.

Size: 47 to 55 mm (l) x 40 to 50 mm (w).

Texture: Smooth.

15           Thickness: Thick.

Arrangement: Formal.

**Petaloids:**

Quantity: 6 to 10.

Color:

20           Upper Surface: Red Group 49C.

Lower Surface: Orange Group 27D to Red Group 49B.

Size: 35 mm (l) x 15 mm (w).

Shape: Irregular. Bas is acute. Apex is round.

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**Reproductive Organs:**

**Pistils:**

Length: 5 mm.

Quantity: 88 (actual count).

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**Pollen:**

None Observed.

**Anthers:**

Size: 3 mm in length.

Color: Greyed-Yellow Group 162C.

10

Quantity: 107 (actual count).

**Filaments:**

Color: Greyed-Orange Group 163B.

Length: 7 mm.

Stigmas: Inferior relative to the length  
15 of filaments and the height of  
the anthers.

Color: Greyed-Yellow Group 162B.

**Styles:**

Color: Yellow-Green Group 150D.

20

**Other Intonations:**

Red Group 39B.

Hips: None Observed in the field nursery in  
Jackson County Oregon.

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## PLANT

Plant growth: Vigorous, upright to bushy. When grown as a budded field grown plant on *Rosa multiflora* understock, the average height of the plant is 75 cm and the average width is 75 cm.

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### Stems:

#### Color:

10              Young wood:      Greyed-Red Group 181A.  
                  Older wood:      Yellow-Green Group 144B.

#### Surface Texture:

Young wood:      Smooth.  
Older wood:      Smooth.

15

### Thorns:

Incidence:      4 thorns per 10 cm of stem.  
Size:            Average length: 7 mm.  
Color:           Greyed-Red Group 181A.  
Shape:           Concave.

20

Plant foliage:      Normal number of leaflets on normal leaves in middle of the stem: 5 to 7 leaflets.

Compound Leaf size: 150 mm (l) x 135 mm (w).

25

Color:

Mature Foliage:

Upper surface: Yellow-Green Group

147A.

Lower surface: Yellow-Green Group

5

147C.

Juvenile foliage:

Upper surface: Red-Purple Group

187A.

Lower surface: Red-Purple Group

10

187B.

Anthocyanin:

Location: New leaves.

Color: Greyed-Purple Group

187A to Greyed-Red

15

Group 181A.

Plant leaves and leaflets:

Stipules:

Size: 20 mm in length.

20

Quantity: 2 per compound leaf.

Shape: Linear with outward  
extending apices.

Margins: Finely serrated with  
medium quantity of

25

stipitate glands.

Color: Greyed-Red Group 182A.

Petiole:

Length: 32 mm.

Color: Yellow-Green Group 144B.

5 Anthocyanin: Greyed-Red Group 182A.

Underneath: Thorns, stipitate glands,  
and light pubescence.

Rachis:

Length: 45 mm.

10 Color: Yellow-Green Group 144B.

Anthocyanin: Greyed-Red Group 182A.

Underneath: Thorns, stipitate glands,  
and light pubescence.

Leaflet:

15 Edge: Serrated.

Size: Terminal leaflets are 65  
mm in length by 52 mm wide  
on average.

Shape: Generally rounded to  
ovate. Leaf apices are  
cuspidate. Leaf bases are  
round.

20 Texture: Smooth.

Thickness: Thick.

25 Arrangement: Odd pinnate.

Venation: Reticulate.

Glossiness: Matte finish.

**Disease resistance:**

5 Above average resistance to mildew, rust, black spot, and Botrytis under normal growing conditions in Jackson County, Oregon.

**Cold Hardiness:**

10 The variety 'Poulen012' has been found to be cold tolerant to USDA Cold Hardiness Zone 6.